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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/964,658	09/28/2001	Hiroki Yoshida	35.C15836	3504	
5514 75	590 09/10/2004		EXAM	EXAMINER	
FITZPATRICK CELLA HARPER & SCINTO			PHAM, HAI CHI		
30 ROCKEFEI NEW YORK,			ART UNIT	PAPER NUMBER	
NEW TOTAL,		••••	2861		
•			DATE MAILED: 09/10/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summan	09/964,658	YOSHIDA, HIROKI				
Office Action Summary	Examiner	Art Unit				
	Hai C Pham	2861				
The MAILING DATE of this communication appo Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on RCE	& Amendment filed 03/04/04.					
2a) ☐ This action is <b>FINAL</b> . 2b) ☒ This	This action is FINAL. 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowan	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-20,24 and 32-119</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>1-20,24 and 32-109</u> is/are allowed.						
6)⊠ Claim(s) <u>110-119</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>						
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal P 6)  Other:					

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#### **DETAILED ACTION**

# Request for Continued Examination

1. The request filed on March 4, 2004 for a Continued Examination (RCE) under 37 CFR 1.114 based on parent Application No. 09/964,658 is acceptable and a RCE has been established. An action on the RCE follows.

### Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
  The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 110-119 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

### Claims 110, 114, 115, 118 and 119:

- Each of the claims 110, 114, 115, 118 and 119 recites the following limitation
   "said setting means is a light source means" (emphasis added), which appears to
   be ambiguous and/or misleading in that:
  - the setting means is defined as a means for setting an actual subscanning interval error between the scanning lines in a sub-scanning line direction due to a polarization angle difference between the light beams emitted from the plurality of light emitting portions to be no more than 1/5 of a desired scanning line interval" as set forth in the respective parent

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claims 1, 38, 54, 82, 95, and based on the disclosure, the setting means mainly reduces the polarization angle difference between the light beams emitted from the plurality of light emitting portions by using different setups or configurations. Since each of the plural the light beams emitted by the respective light emitting portion of the light source means has its own polarization angle, which differs from each other, it is not known how the light source means would reduce such polarization angle difference by itself:

o during a telephone interview, Applicant's Representative, Attorney Frank
Cire, indicates that the third embodiment in the present disclosure as
shown in Figs. 4 and 5 is the closest configuration of the scanning optical
apparatus that supports the abovementioned claimed limitation, wherein
the polarization angles of the light beams are adjusted by rotating the light
emitting portions about the principal axis of the scanning lenses. In this
case, the configuration would need a separate mechanical adjusting
device for rotating the light emitting portions. Therefore, the claimed
setting means cannot be the light source itself. The wording of the claimed
limitation is thus misleading.

### Claim 111:

The following limitation "said setting means is a light source means" (emphasis added) appears to be ambiguous and/or misleading in that the parent claim 24 defines the setting means as comprising an "adjustment means capable of independently adjusting polarization angles of light beams emitted from the

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plurality of light emitting portions" and thus indicates that the setting means cannot be the light source means itself.

## Claim 112:

• The following limitation "said setting means is a light source means" (emphasis added) appears to be ambiguous and/or misleading in that the parent claim 32 defines the setting means as comprising "a scanning optical element made of a resin, which is shift-decentered perpendicularly to a sub-scanning direction" for correcting the polarization angle difference between the light beams emitted from the plurality of light emitting portions, and thus negate the notion that the setting means is constituted by the light source means itself. Moreover, the claimed limitation would combine different embodiments into one claim.

#### Claim 113:

The following limitation "said setting means is a light source means" (emphasis added) appears to be ambiguous and/or misleading in that the parent claim 35 defines the setting means as comprising "polarized light limiting means inserted into an optical path between the light source means and said scanning optical element made of the resin" for correcting the polarization angle difference between the light beams emitted from the plurality of light emitting portions, and thus negate the notion that the setting means is the light source means itself. Again the claimed limitation would combine different embodiments into one claim.

#### Claim 116:

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• The following limitation "said setting means <u>is</u> a light source means" (emphasis added) appears to be ambiguous and/or misleading in that the parent claim 74 defines the setting means as comprising "a scanning optical element made of a resin, which is rotary-decentered about the main scanning direction" for correcting the polarization angle difference between the light beams emitted from the plurality of light emitting portions, and thus negate the notion that the setting means is constituted by the light source means itself. Moreover, the claimed limitation would combine different embodiments into one claim.

### **Claim 117**:

• The following limitation "said setting means is a light source means" (emphasis added) appears to be ambiguous and/or misleading in that the parent claim 75 defines the setting means as comprising "a scanning optical element made of a resin, which is shift-decentered perpendicularly to a sub-scanning direction and rotary-decentered about the main scanning direction" for correcting the polarization angle difference between the light beams emitted from the plurality of light emitting portions and thus negate the notion that the setting means is constituted by the light source means itself. Moreover, the claimed limitation would combine different embodiments into one claim.

Appropriate correction is required.

# Allowable Subject Matter

4. Claims 1-20, 24, 32-109 are allowed.

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5. Claims 110-119 would be allowable if rewritten to overcome the rejections under

35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the

limitations of the base claim and any intervening claims.

**Contact information** 

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Hai C Pham whose telephone number is (571) 272-

2260. The examiner can normally be reached on M-F 8:30AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Stephen D Meier can be reached on (571) 272-2149. The fax phone

number for the organization where this application or proceeding is assigned is 703-

872-9306.

Information regarding the status of an application may be obtained from the

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HAI PHAM
PRIMARY EXAMINER

Hoei ZhiPhan

September 1<sup>st</sup>, 2004